Project Title	Funding	Strategic Plan Objective	Institution
20-year outcome of autism	$150,000	Q2.L.A	University of Utah
Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	$150,000	Q2.S.D	Columbia University
Aberrant synaptic function caused by TSC mutation in autism	$75,000	Q2.S.D	Columbia University
ACE Center: Cognitive affective and neurochemical processes underlying is in autism	$382,540	Q2.Other	University of Illinois at Chicago
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	$393,174	Q2.Other	University of Pittsburgh
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	$25	Q2.Other	University of Pittsburgh
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	$157,387	Q2.Other	University of Pittsburgh
ACE Center: Genetic contributions to endophenotypes of autism	$569,673	Q2.S.G	University of Washington
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition	$325,302	Q2.S.G	University of California, Los Angeles
ACE Center: Genetics of serotonin in autism: Neurochemical and clinical endophenotypes	$382,540	Q2.S.G	University of Illinois at Chicago
ACE Center: Imaging the autistic brain before it knows it has autism	$206,070	Q2.Other	University of California, San Diego
ACE Center: Mirror neuron and reward circuitry in autism	$305,987	Q2.Other	University of California, Los Angeles
ACE Center: Neuroimaging studies of connectivity in ASD	$330,130	Q2.Other	Yale University
ACE Center: Structural and chemical brain imaging of autism	$514,982	Q2.S.E	University of Washington
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception	$439,282	Q2.Other	University of Pittsburgh
A combined fMRI-TMS study on the role of the mirror neuron system in social cognition: Moving beyond correlational evidence	$0	Q2.Other	University of California, Los Angeles
A comparative developmental connectivity study of face processing	$296,461	Q2.Other	University of Kentucky
Action anticipation in infants	$99,789	Q2.Other	University of Chicago
Activity-dependent phosphorylation of MeCP2	$173,979	Q2.S.D	Harvard Medical School
A developmental social neuroscience approach to perception-action relations	$144,259	Q2.Other	Temple University
A family-genetic study of language in autism	$321,304	Q2.S.G	Northwestern University
A family-genetic study of language in autism	$208,064	Q2.S.G	University of North Carolina at Chapel Hill
Allelic choice in Rett syndrome	$394,425	Q2.S.D	Winifred Masterson Burke Medical Research Institute
A longitudinal MRI study of brain development in fragile X syndrome	$617,080	Q2.S.D	University of North Carolina at Chapel Hill
A mitochondrial etiology of autism	$657,793	Q2.S.A	Children's Hospital of Philadelphia

Project Title	Funding	Strategic Plan Objective	Institution
A multigenerational longitudinal study of language development: Insight from autism	$108,904	Q2.S.G	Northwestern University
A multigenerational longitudinal study of language development: Insight from autism	$92,000	Q2.S.G	University of North Carolina at Chapel Hill
Analysis of brain microstructure in autism using novel diffusion MRI approaches	$0	Q2.Other	Washington University School of Medicine
Analysis of Fgf17 roles and regulation in mammalian forebrain development	$52,154	Q2.Other	University of California, San Francisco
Anatomy of primate amygdaloid complex	$114,105	Q2.Other	University of California, Davis
A neural model of fronto-parietal mirror neuron system dynamics	$225,557	Q2.Other	University of Maryland
A neuroimaging study of twin pairs with autism	$632,389	Q2.S.G	Stanford University
An ex-vivo placental perfusion system to study materno-fetal biology	$243,000	Q2.S.A	University of Southern California
Angelman syndrome (AS)	$208,335	Q2.S.D	University of Alabama at Birmingham
An investigation of the overlap of autism and fragile X syndrome	$74,000	Q2.S.G	University of North Carolina at Chapel Hill
A non-human primate autism model based on maternal immune activation	$114,105	Q2.S.A	University of California, Davis
A non-human primate autism model based on maternal infection	$335,155	Q2.S.A	California Institute of Technology
A primate model of gut, immune, and CNS response to childhood vaccines	$155,086	Q2.S.A	University of Washington
Architecture of myelinated axons linking frontal cortical areas	$0	Q2.Other	Boston University
Are neuronal defects in the cerebral cortex linked to autism?	$28,334	Q2.Other	Memorial Sloan-Kettering Cancer Center
A role for immune molecules in cortical connectivity: Potential implications for autism	$28,000	Q2.S.A	University of California, Davis
A sex-specific dissection of autism genetics	$270,375	Q2.S.B	University of California, San Francisco
A sex-specific dissection of autism genetics	$150,000	Q2.S.B	University of California, San Francisco
A study of autism	$291,461	Q2.L.B	University of Pennsylvania
A study of the computational space of facial expressions of emotion	$285,938	Q2.Other	The Ohio State University
A systematic test of the relation of ASD heterogeneity to synaptic function	$875,864	Q2.Other	Stanford University
A systems biology approach to unravel the underlying functional modules of ASD	$655,975	Q2.Other	University of California, San Diego
Attentional distribution and word learning in children with autism	$40,000	Q2.Other	Brown University

Project Title	Funding	Strategic Plan Objective	Institution
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	$491,943	Q2.Other	University of Utah
Augmentation of the cholinergic system in fragile X syndrome: A double-blind placebo study	$240,000	Q2.S.D	Stanford University
Autism: Neuropeptide hormones and potential pathway genes	$184,353	Q2.S.G	University of Illinois at Chicago
Autism: Neuropeptide hormones and potential pathway genes (supplement)	$54,000	Q2.S.G	University of Illinois at Chicago
Autism: The neural substrates of language in siblings	$56,955	Q2.S.G	Boston University Medical Campus
Autism and the insula: Genomic and neural circuits	$620,305	Q2.Other	California Institute of Technology
Autism-specific mutation in DACT1: Impact on brain development in a mouse model	$231,750	Q2.Other	University of California, San Francisco
Autism spectrum disorders and the visual analysis of human motion	$250,000	Q2.Other	Rutgers, The State University of New Jersey
Autistic endophenotypes and their associations to oxytocin and cholesterol	$84,750	Q2.Other	Mount Sinai School of Medicine
Autistic traits: Life course & genetic structure	$547,284	Q2.S.G	Washington University
BDNF and the restoration of spine plasticity with autism spectrum disorders	$564,519	Q2.S.D	University of California, Irvine
BDNF secretion and neural precursor migration	$0	Q2.Other	Dana-Farber Cancer Institute
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	$127,168	Q2.Other	Université de Montréal
Behavioral and genetic biomarker development for autism and related disorders	$494,132	Q2.S.G	Rutgers, The State University of New Jersey - New Brunswick
Behavioral and neural processing of faces and expressions in nonhuman primates	$396,000	Q2.Other	Emory University
Behavioral and neural processing of faces and expressions in nonhuman primates (supplement)	$52,064	Q2.Other	Emory University
Behavioral and sensory evaluation of auditory discrimination in autism	$151,692	Q2.Other	University of Massachusetts Medical School
Brain circuitry in simplex autism	$187,500	Q2.Other	Washington University in St. Louis
Brain lipid rafts in cholesterol biosynthesis disorders	$63,000	Q2.Other	Medical College of Wisconsin
Canonical neural computation in autism spectrum disorders	$66,906	Q2.Other	New York University
CAREER: Dissecting the neural mechanisms for face detection	$170,000	Q2.Other	California Institute of Technology
CAREER: Enabling community-scale modeling of human behavior and its application to healthcare	$253,767	Q2.Other	Dartmouth College
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	$140,000	Q2.Other	Cornell University

Project Title	Funding	Strategic Plan Objective	Institution
CAREER: Model-based fMRI of human object recognition	$123,719	Q2.Other	Georgetown University
CAREER: The neuro-cognitive evolution of speech-reading	$100,000	Q2.Other	Princeton University
CAREER: The role of prosody in word segmentation and lexical access	$92,995	Q2.Other	Michigan State University
CAREER: Typical and atypical development of brain regions for theory of mind	$89,214	Q2.Other	Massachusetts Institute of Technology
CDI-TYPE II: From language to neural representations of meaning	$525,000	Q2.Other	Carnegie Mellon University
Cell adhesion molecules in CNS development	$541,105	Q2.Other	The Scripps Research Institute
Cell-based genomic analysis in mouse models of Rett syndrome	$513,667	Q2.S.D	Cold Spring Harbor Laboratory
Cell type-based genomics of developmental plasticity in cortical GABA interneurons	$210,000	Q2.Other	Cold Spring Harbor Laboratory
Cellular and molecular alterations in GABAergic inhibitor circuits by mutations in MeCP2	$330,774	Q2.S.D	Cold Spring Harbor Laboratory
Cellular characterization of Caspr2	$23,907	Q2.Other	University of California, San Diego
Cerebellar anatomic and functional connectivity in autism spectrum disorders	$246,178	Q2.Other	University of Texas at Austin
Cerebellar modulation of frontal cortical function	$331,107	Q2.Other	University of Memphis
Characterization of the mirror neuron system in 3-9 month old infants using the BabySQUID imaging system	$5,519	Q2.Other	University of New Mexico
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterizing sleep disorders in autism spectrum disorder	$37,355	Q2.S.E	Stanford University
Characterizing the genetic systems of autism through multi-disease analysis	$630,255	Q2.S.G	Harvard Medical School
Chemosensory processing in chemical communication	$284,599	Q2.Other	Florida State University
Children's causal learning and developing knowledge of mechanisms	$55,309	Q2.Other	Brown University
CNS toxicity of ambient air pollution: Postnatal exposure to ultrafine particles	$191,406	Q2.S.A	University of Rochester
Cochlear efferent feedback and hearing-in-noise perception in autism	$221,822	Q2.Other	University of Rochester
Cognitive control in autism	$149,754	Q2.Other	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Cognitive control of emotion in autism	$101,034	Q2.Other	University of Pittsburgh
Cognitive mechanisms of serially organized behavior	$349,715	Q2.Other	Columbia University
Cognitive mechanisms of serially organized behavior (supplement)	$25,029	Q2.Other	Columbia University
Collaborative research: Detecting false discoveries under dependence using mixtures	$40,546	Q2.Other	University of Maryland, Baltimore County
Collaborative research: Detecting false discoveries under dependence using mixtures	$20,000	Q2.Other	North Carolina State University
Collaborative research: Learning complex auditory categories	$57,417	Q2.Other	Carnegie Mellon University
Collaborative research: Learning complex auditory categories	$37,495	Q2.Other	University of Arizona
Collaborative research: Modeling perception and memory: Studies in priming	$90,146	Q2.Other	University of California, San Diego
Collaborative research: Modeling perception and memory: Studies in priming	$134,781	Q2.Other	Indiana University
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$47,288	Q2.Other	College of the Holy Cross
Collaborative research: The path to verb learning	$66,000	Q2.Other	Temple University
Collaborative research: The path to verb learning	$33,000	Q2.Other	University of Delaware
Communicative and emotional facial expression production in children with autism	$212,250	Q2.Other	University of Massachusetts Medical School
Complex decisions and the brain: An experimental and theoretical approach	$248,999	Q2.Other	Cold Spring Harbor Laboratory
Connectivity of anterior cingulate cortex networks in autism	$128,739	Q2.Other	New York University School of Medicine
Consequences of maternal antigen exposure on offspring immunity: An animal model of vertical tolerance	$0	Q2.S.A	The Fox Chase Cancer Center
Coordinated control of synapse development by autism-linked genes	$150,000	Q2.S.D	University of Texas Southwestern Medical Center
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	$290,266	Q2.S.D	University of Texas Southwestern Medical Center
Cortical mechanisms underlying visual motion processing impairments in autism	$0	Q2.Other	Harvard Medical School/McLean Hospital
Creating a specimen bank of neurotypical individuals	$12,000	Q2.Other	Health Research Institute
Defining cells and circuits affected in autism spectrum disorders	$820,059	Q2.Other	The Rockefeller University
Defining the dynamics of the default network with direct brain recordings and functional MRI	$149,942	Q2.Other	University of Washington
Dendritic organization within the cerebral cortex in autism	$110,966	Q2.Other	The Open University

Project Title	Funding	Strategic Plan Objective	Institution
Description and assessment of sensory abnormalities in ASD	$18,968	Q2.Other	Center for Autism and Related Disorders (CARD)
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	$217,948	Q2.Other	Weizmann Institute of Science
Developmental versus acute mechanisms mediating altered excitatory synaptic function in the fragile X syndrome mouse model	$127,500	Q2.S.D	University of Texas Southwestern Medical Center
Development of brain connectivity in autism	$262,100	Q2.Other	New York School of Medicine
Development of face processing expertise	$360,996	Q2.Other	University of Toronto
Development of novel diagnostics for fragile X syndrome	$532,677	Q2.S.D	JS Genetics, Inc.
Development of the functional neural systems for face expertise	$496,073	Q2.Other	University of California, San Diego
Development of the functional neural systems for face expertise (supplement)	$172,529	Q2.Other	University of California, San Diego
Development of ventral stream organization	$136,047	Q2.Other	University of Pittsburgh
Dimensions of mind perception	$112,584	Q2.Other	Harvard University
Doctoral dissertation research: Sign language in deaf and hearing autistic children	$5,930	Q2.Other	University of Texas at Austin
Does mercury and neurotension induce mitochondrial DNA release from human mast cells and contribute to auto-immunity in ASD?	$40,000	Q2.S.A	Tufts University
Early biologic markers for autism	$43,308	Q2.S.A	Kaiser Permanente Division of Research
EFRI- BSBA: Novel microsystems for manipulation and analysis of immune cells	$524,890	Q2.S.A	University of California, Davis
Electrical measures of functional cortical connectivity in autism	$0	Q2.Other	University of Washington
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$320,250	Q2.Other	Brandeis University
Elucidating the roles of SHANK3 and FXR in the autism interactome	$396,509	Q2.S.D	Baylor College of Medicine
Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	$150,000	Q2.S.D	George Washington University
Engrailed and the control of synaptic circuitry in drosophila	$112,500	Q2.Other	University of Puerto Rico Medical Sciences Campus
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$474,750	Q2.Other	Memorial Sloan-Kettering Cancer Center
Enhanced tissue procurement from autistic indivdiuals	$17,000	Q2.S.C	NICHD (National Institute of Child Health & Human Development) Brain and Tissue Bank for Developmental Disorders, University of Maryland

Project Title	Funding	Strategic Plan Objective	Institution
Environmentally induced oxidative stress and altered local brain thyroid horomone metabolism: relevance to autism?	$25,000	Q2.S.A	Harvard Medical School; Brigham and Women's Hospital
Establishing zebrafish as a model for RAI1 gene dosage	$74,750	Q2.S.D	Virginia Commonwealth University
Etiology of sleep disorders in ASD: Role of inflammatory cytokines	$0	Q2.S.E	University of Maryland, Baltimore
Evaluation of sleep disturbance in children with ASD	$27,456	Q2.Other	Center for Autism and Related Disorders (CARD)
Excessive cap-dependent translation as a molecular mechanism underlying ASD	$549,386	Q2.Other	New York University
Experience and cognitive development in infancy	$101,841	Q2.Other	University of California, Davis
Exploring the uncanny valley	$90,500	Q2.Other	Carnegie Mellon University
Face perception: Mapping psychological spaces to neural responses	$119,998	Q2.Other	Stanford University
fMRI evidence of genetic influence on rigidity in ASD	$0	Q2.S.G	University of Michigan
fMRI studies of cerebellar functioning in autism	$49,000	Q2.Other	University of Illinois at Chicago
fMRI studies of neural dysfunction in autistic toddlers	$582,409	Q2.Other	University of California, San Diego
fMRI study of reward responsiveness of children with autism spectrum disorder	$49,846	Q2.Other	University of California, Los Angeles
Functional analysis of neurexin IV in Drosophila	$148,746	Q2.Other	University of California, Los Angeles
Functional anatomy of face processing in the primate brain	$1,877,600	Q2.Other	National Institutes of Health
Functional circuit disorders of sensory cortex in ASD and RTT	$261,599	Q2.S.D	University of Pennsylvania
Functional imaging of flexibility in autism: Informed by SLC6A4	$128,971	Q2.S.G	Children's Research Institute
Functional neuroanatomy of developmental changes in face processing	$236,799	Q2.Other	Medical University of South Carolina
Functional neuroanatomy of developmental changes in face processing	$70,669	Q2.Other	University of Kentucky
Functional neuroanatomy of developmental changes in face processing (supplement)	$7,722	Q2.Other	University of Kentucky
Functional neuroimaging of psychopharmacologic intervention for autism	$158,810	Q2.L.B	University of North Carolina at Chapel Hill
Function and dysfunction of neuroligins in synaptic circuits	$150,000	Q2.Other	Stanford University
Function and structure adaptations in forebrain development	$580,377	Q2.Other	University of Southern California
Function of neurexins	$464,471	Q2.Other	Stanford University
Fundamental mechanisms of GPR56 activation and regulation	$134,269	Q2.S.D	Emory University

Project Title	Funding	Strategic Plan Objective	Institution
GABA(A) receptor modulation via the beta subunit	$226,499	Q2.Other	Emory University
GABAergic dysfunction in autism	$290,090	Q2.Other	University of Minnesota
Gamma band dysfunction as a local neuronal connectivity endophenotype in autism	$78,797	Q2.Other	University of Colorado Denver
Gastrointestinal functions in autism	$0	Q2.S.E	University at Buffalo, The State University of New York
Gene-environment interactions in the pathogenesis of autism-like neurodevelopmental damage: A mouse model	$60,000	Q2.S.A	Johns Hopkins University School of Medicine
Gene expression and laminar analyses of pathological cortical patches in autism	$199,739	Q2.Other	University of California, San Diego
Gene silencing in fragile X syndrome	$323,483	Q2.S.D	National Institutes of Health
Genetic and developmental analyses of fragile X syndrome	$544,592	Q2.S.D	Vanderbilt University
Genetic dissection of restricted repetitive behavior (RRB)	$179,219	Q2.S.G	University of Florida
Genetic studies of autism-related Drosophila neurexin and neuroligin	$137,500	Q2.Other	The University of North Carolina at Chapel Hill
Genotype-phenotype relationships in fragile X families	$535,019	Q2.S.D	University of California, Davis
Glial control of neuronal receptive ending morphology	$422,500	Q2.Other	The Rockefeller University
Glutamate receptor desensitization and its modulation	$328,338	Q2.Other	Colorado State University
Gross morphological correlates to the minicolumnopathy of autism	$259,000	Q2.Other	University of Louisville
HCC:Small:Computational studies of social nonverbal communication	$165,307	Q2.Other	University of Southern California
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	$435,000	Q2.Other	Cold Spring Harbor Laboratory
Homeostatic regulation of presynaptic function by dendritic mTORC1	$31,705	Q2.Other	University of Michigan
How does IL-6 mediate the development of autism-related behaviors?	$28,000	Q2.S.A	California Institute of Technology
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$143,883	Q2.Other	Harvard University
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$95,323	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$90,074	Q2.Other	University of Southern California
Identification of candidate genes at the synapse in autism spectrum disorders	$167,751	Q2.Other	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Identifying brain-based biomarkers for ASD & their biological subtypes	$1,224,886	Q2.Other	New York State Psychiatric Institute
II-EN: City University of New York - Computing research infrastructure	$150,803	Q2.Other	College of Staten Island (City University of New York)
Imaging brain and movement in ASD	$270,358	Q2.Other	University of California, San Diego
Imaging PTEN-induced changes in adult cortical structure and function in vivo	$278,686	Q2.Other	University of California, Los Angeles
Imaging signal transduction in single dendritic spines	$386,100	Q2.Other	Duke University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$0	Q2.Other	Massachusetts Institute of Technology
Immune molecules and cortical synaptogenesis: Possible implications for the pathogenesis of autism	$0	Q2.S.A	University of California, Davis
Infants' developing representation of object function	$63,259	Q2.Other	University of California, Davis
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	$93,500	Q2.S.A	University of Medicine & Dentistry of New Jersey
Influence of maternal cytokines on activation of the innate immune system as a factor in the development of autism	$24,000	Q2.S.A	University of Medicine & Dentistry of New Jersey
Influence of oxidative stress on transcription and alternative splicing of methionine synthase in autism	$28,000	Q2.S.A	Northeastern University
Influence of the maternal immune response on the development of autism	$127,499	Q2.S.A	University of Medicine & Dentistry of New Jersey
Informational and neural bases of empathic accuracy in autism spectrum disorder	$28,000	Q2.Other	Columbia University
Integrative functions of the planum temporale	$411,394	Q2.Other	University of California, Irvine
Interdisciplinary investigation of biological signatures of autism subtypes	$1,398,688	Q2.L.A	University of California, Davis
Investigation of cortical folding complexity in children with autism, their autism-discordant siblings, and controls	$100,000	Q2.Other	Stanford University
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	$0	Q2.S.D	Massachusetts Institute of Technology
Investigation of sex differences associated with autism candidate gene, CYFIP1	$31,561	Q2.S.B	University of California, Los Angeles
Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders	$103,062	Q2.L.A	University of Washington
In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.	$28,000	Q2.S.D	Baylor College of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
Is autism a mitochondrial disease?	$60,000	Q2.S.A	University of California, Davis
Is there a hierarchy of social inference? Intentionality, mind, and morality	$67,911	Q2.Other	Brown University
Kinetics of drug macromolecule complex formation	$729,415	Q2.Other	University of California, San Diego
Language and social communication in autism	$3,039	Q2.Other	University of California, Los Angeles
Language processing in children with 22q11 deletion syndrome and autism	$30,000	Q2.S.G	Emory University
Learning and compression in human working memory	$84,000	Q2.Other	Harvard University
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	$25,570	Q2.Other	Carnegie Mellon University
Linking local activity and functional connectivity in autism	$369,635	Q2.Other	San Diego State University
Longitudinal neurodevelopment of auditory and language cortex in autism	$27,522	Q2.Other	University of Utah
Longitudinal neurogenetics of atypical social brain development in autism	$292,163	Q2.S.G	Yale University
L-type calcium channel regulation of neuronal differentiation	$41,380	Q2.S.D	Stanford University
Maternal immune activation, cytokines, and the pathogenesis of autism	$382,588	Q2.S.A	University of California, Davis
Maternal infection and autism: Impact of placental sufficiency and maternal inflammatory responses on fetal brain development	$127,500	Q2.S.A	Stanford University
Mechanisms for 5-HTT control of PPI and perseverative behavior using mouse models	$387,353	Q2.S.G	University of Chicago
Mechanisms for 5-HTT control of PPI and perseverative behavior using mouse models (supplement)	$6,802	Q2.S.G	University of Chicago
Mechanisms of mitochondrial dysfunction in autism	$0	Q2.S.A	Georgia State University
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	$320,469	Q2.S.D	University of Alabama at Birmingham
MEG investigation of phonological processing in autism	$28,000	Q2.Other	University of Colorado Denver
MEG investigation of the neural substrates underlying visual perception in autism	$126,317	Q2.Other	Massachusetts General Hospital
Metacognition in comparative perspective	$234,705	Q2.Other	University at Buffalo, The State University of New York
Met signaling in neural development and circuitry formation	$81,998	Q2.Other	University of Southern California
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Mimicry and imitation in autism spectrum disorders	$0	Q2.Other	University of Connecticut

Project Title	Funding	Strategic Plan Objective	Institution
Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome	$158,649	Q2.S.D	Stanford University
Molecular basis of autism associated with human adenylosuccinate lyase gene defects	$0	Q2.S.D	University of Delaware
Molecular components of A-type K+ channels	$349,013	Q2.S.E	New York University School of Medicine
Molecular mechanisms regulating synaptic strength	$296,257	Q2.Other	Washington University
Molecular pathways involved in oxidative stress and leaky gut impairment in autism spectrum disorders	$20,000	Q2.S.A	University of Naples
Morphogenesis and function of the cerebral cortex	$409,165	Q2.Other	Yale University
Morphological decomposition in derived word recognition: Single trial correlational MEG studies of morphology down to the roots	$204,301	Q2.Other	New York University
Motor control and cerebellar maturation in autism	$154,143	Q2.Other	University of Illinois at Chicago
Motor skill learning in autism	$454,262	Q2.Other	Kennedy Krieger Institute
Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	$400,000	Q2.S.D	University of Texas Southwestern Medical Center
MRI: Acquisition of a high-density electrophysiology laboratory for intercollegiate research and training in cognitive neuroscience	$137,003	Q2.Other	Scripps College
MRI study of brain development in school age children with autism	$0	Q2.L.A	University of North Carolina at Chapel Hill
Multidimensional impact of pain on individuals and family functioning in ASD	$15,000	Q2.Other	The Research Foundation of the State University of New York
Multimodal analyses of face processing in autism & down syndrome	$156,083	Q2.Other	University of Massachusetts Medical School
Multimodal brain imaging in autism spectrum disorders	$167,832	Q2.Other	University of Washington
Multiple systems in theory of mind development	$163,096	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
Multisensory processing in autism	$0	Q2.Other	University of North Carolina at Chapel Hill
Neural and phenotypic correlates of autism risk genes	$545,057	Q2.S.G	University of California, Los Angeles
Neural bases of semantic interpretation	$100,013	Q2.Other	New York University
Neural basis for the production and perception of prosody	$80,190	Q2.Other	University of Southern California
Neural basis of audiovisual integration during language comprehension in autism	$0	Q2.Other	University of Rochester
Neural basis of behavioral flexibility	$367,565	Q2.Other	Mount Sinai School of Medicine
Neural basis of cross-modal influences on perception	$156,424	Q2.Other	University of California, San Diego
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	$572,893	Q2.Other	Duke University

Project Title	Funding	Strategic Plan Objective	Institution
Neural basis of socially driven attention in children with autism	$0	Q2.Other	University of California, Los Angeles
Neural circuit deficits in animal models of Rett syndrome	$44,000	Q2.S.D	Cold Spring Harbor Laboratory
Neural circuitry of social cognition in the broad autism phenotype	$411,039	Q2.S.G	University of North Carolina at Chapel Hill
Neural correlates of maturation of face processing	$156,354	Q2.Other	Stanford University
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$491,909	Q2.S.G	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$171,842	Q2.S.G	Massachusetts General Hospital
Neural correlates of serotonin transporter gene polymorphisms and social impairment in ASD	$92,811	Q2.S.G	University of Michigan
Neural correlates of social exchange and valuation in autism	$127,487	Q2.Other	Baylor College of Medicine
Neural dissection of hyperactivity/inattention in autism	$1,117,595	Q2.S.E	New York University School of Medicine
Neural mechanisms for social cognition in autism spectrum disorders	$223,233	Q2.Other	Massachusetts Institute of Technology
Neural mechanisms of tactile sensation in rodent somatosensory cortex	$284,334	Q2.Other	University of California, Berkeley
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	$28,000	Q2.Other	Vanderbilt University
Neural substrate of language and social cognition: Autism and typical development	$50,474	Q2.Other	Massachusetts Institute of Technology
Neural synchrony dysfunction of gamma oscillations in autism	$265,595	Q2.Other	University of Colorado Denver
Neural systems for the extraction of socially-relevant information from faces	$70,514	Q2.Other	Dartmouth College
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$100,000	Q2.Other	Columbia University
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$100,000	Q2.Other	Columbia University
Neurobiological correlates of language dysfunction in autism spectrum disorders	$555,288	Q2.Other	The Mind Research Network
Neurobiological mechanisms of insistence on sameness in autism	$28,000	Q2.Other	University of Illinois at Chicago
Neurocognitive mechanisms underlying children's theory of mind development	$77,250	Q2.Other	University of California, San Diego
Neurodevelopmental mechanisms of social behavior	$515,840	Q2.Other	University of Southern California
Neurogenic growth factors in autism	$112,494	Q2.S.G	Yale University
Neuroimaging of social perception	$245,265	Q2.Other	University of Virginia

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Neuroimaging of top-down control and bottom-up processes in childhood ASD	$390,562	Q2.Other	Georgetown University
Neuroimmunologic investigations of autism spectrum disorders (ASD)	$385,337	Q2.S.F	National Institutes of Health
Neuroligin regulation of central GABAergic synapses	$78,000	Q2.Other	Duke University
Neuroligins and neurexins as autism candidate genes: Study of their association in synaptic connectivity	$60,000	Q2.Other	University of California, San Diego
Neurological diseases due to inborn errors of metabolism	$10,458	Q2.S.A	University of Texas Southwestern Medical Center
Neuronal activity-dependent regulation of MeCP2	$437,522	Q2.S.D	Harvard Medical School
Neuronal activity-dependent regulation of MeCP2 (supplement)	$77,123	Q2.S.D	Harvard Medical School
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$161,094	Q2.S.D	Dana-Farber Cancer Institute
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	$127,500	Q2.Other	Kennedy Krieger Institute
Novel computational methods for higher order diffusion MRI in autism	$704,302	Q2.Other	University of Pennsylvania
Olfactory abnormalities in the modeling of Rett syndrome	$355,163	Q2.S.D	Johns Hopkins University
Olivocerebellar circuitry in autism	$756,917	Q2.Other	Boston University Medical Campus
Optical analysis of circuit-level sensory processing in the cerebellum	$48,612	Q2.Other	Princeton University
Past, present, and future-oriented thinking about the self in children with autism spectrum disorder	$0	Q2.Other	City University London
Perturbed activity-dependent plasticity mechanisms in autism	$311,292	Q2.Other	Harvard Medical School
Phonological processing in the autism spectrum	$0	Q2.Other	Heriot-Watt University
Physiological and behavioral characterization of sensory dysfunction in autism	$76,478	Q2.Other	Thomas Jefferson University
Physiology of attention and regulation in children with ASD and LD	$374,693	Q2.Other	Seattle Children's Hospital
Pragmatic skills of young males and females with fragile X syndrome	$507,009	Q2.L.A	University of North Carolina at Chapel Hill
Pragmatic skills of young males and females with fragile X syndrome (supplement)	$125,116	Q2.L.A	University of North Carolina at Chapel Hill
Presynaptic fragile X proteins	$90,000	Q2.S.D	Brown University
Primate models of autism	$114,105	Q2.S.A	University of California, Davis
Primate models of autism	$734,756	Q2.S.A	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Probing a monogenic form of autism from molecules to behavior	$312,500	Q2.S.D	Stanford University
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	$531,624	Q2.S.D	Children's Hospital Boston
Project 2: Immunological susceptibility of autism	$173,585	Q2.S.A	University of California, Davis
Prostaglandins and cerebellum development	$375,000	Q2.S.A	University of Maryland, Baltimore
Proteomics in drosophila to identify autism candidate substrates of UBE3A	$316,355	Q2.S.D	University of Tennessee Health Science Center
Psychobiological investigation of the socioemotional functioning in autism	$348,750	Q2.Other	Vanderbilt University
Psychophysiological mechanisms of emotion expression	$59,668	Q2.Other	Georgia State University
Quantitative proteomic approach towards understanding and treating autism	$75,000	Q2.S.D	Emory University
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	State University of New York at Potsdam
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	Arkansas Children's Hospital Research Institute
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	University of Rochester
Regulation of 22q11 genes in embryonic and adult forebrain	$313,000	Q2.S.D	The George Washington University
Regulation of 22q11 genes in embryonic and adult forebrain	$9,806	Q2.S.D	University of North Carolina at Chapel Hill
Regulation of activity-dependent ProSAP2 synaptic dynamics	$41,380	Q2.Other	Stanford University
Regulation of inflammatory Th17 cells in autism spectrum disorder	$112,500	Q2.S.A	New York University School of Medicine
Regulation of synapse elimination by FMRP	$52,154	Q2.S.D	University of Texas Southwestern Medical Center
Regulation of synaptogenesis by cyclin-dependent kinase 5	$342,454	Q2.Other	Massachusetts Institute of Technology
Relating copy number variants to head and brain size in neuropsychiatric disorders	$99,862	Q2.S.G	University of California, San Diego
Relation of sleep epileptiform discharges to insomnia and daytime behavior	$0	Q2.S.E	Vanderbilt University
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$125,000	Q2.Other	Massachusetts General Hospital
Review of the literature on selenocysteine metabolism and selenoproteins in autism	$3,000	Q2.Other	Northeastern University School of Pharmacy
RNA-Seq studies of gene expression in cells and networks in FI and ACC in autism	$551,118	Q2.Other	California Institute of Technology

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Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	$0	Q2.Other	University of California, Los Angeles
Role of GluK6 in cerebella circuitry development	$52,106	Q2.Other	Yale University
Role of intracellular mGluR5 in fragile X syndrome and autism	$75,000	Q2.S.D	Washington University in St. Louis
Role of micro-RNAs in ASD affected circuit formation and function	$127,085	Q2.Other	University of California, San Francisco
Role of neuroligin in synapse stability	$127,500	Q2.Other	Oklahoma Medical Research Foundation
Role of neuroligins in long-term plasticity at excitatory and inhibitory synapses	$59,918	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Role of neuronal migration genes in synaptogenesis and plasticity	$47,606	Q2.Other	Weill Cornell Medical College
Role of Pam in synaptic morphology and function	$127,497	Q2.Other	Massachusetts General Hospital
Roles of Wnt signaling/scaffolding molecules in autism	$28,000	Q2.Other	University of California, San Francisco
Selective disruption of hippocampal dentate granule cells in autism: Impact of PTEN deletion	$371,250	Q2.S.E	Cincinnati Children's Hospital Medical Center
Self-injurious behavior: An animal model of an autism endophenotype	$0	Q2.Other	University of Florida
Sensory mechanisms and self-injury	$383,231	Q2.S.E	University of Minnesota
Sensory processing and integration in autism	$557,971	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Serotonin signal transduction in two groups of autistic patients	$157,000	Q2.Other	University of Illinois at Chicago
Sex differences in early brain development; Brain development in Turner syndrome	$153,382	Q2.S.D	University of North Carolina at Chapel Hill
SGER: Learning and representation of cortical similarity of faces in individuals with autistic spectrum disorder	$33,333	Q2.Other	Rutgers, The State University of New Jersey - Newark
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$24,731	Q2.S.G	Children's Hospital Boston
Simons Variation in Individuals Project (Simons VIP)	$181,357	Q2.S.G	Emory University
Simons Variation in Individuals Project (Simons VIP) Core Leader Gift	$38,941	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift	$54,823	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Site	$118,142	Q2.S.G	University of Washington
Slick and Slack heteromers in neuronal excitability	$9,298	Q2.Other	Yale University
Social and affective components of communication	$150,119	Q2.Other	Salk Institute For Biological Studies
Social behavior deficits in autism: Role of amygdala	$79,438	Q2.Other	State University of New York Upstate Medical Center

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Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates	$28,000	Q2.S.G	State University of New York Upstate Medical University
Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	$150,000	Q2.S.G	University of Washington
Statistical analysis of biomedical imaging data in curved space	$330,008	Q2.Other	University of North Carolina at Chapel Hill
Stereological analyses of neuron numbers in frontal cortex from age 3 years to adulthood in autism	$127,422	Q2.Other	University of California, San Diego
Steroid receptors and brain sex differences	$301,240	Q2.S.B	University of Wisconsin - Madison
Structural and functional connectivity of large-scale brain networks in autism spectrum disorders	$165,629	Q2.Other	Stanford University
Structural brain differences between autistic and typically-developing siblings	$12,333	Q2.Other	Stanford University
Studies of social communication in speakers with autism spectrum disorder	$292,249	Q2.Other	Yale University
Studies on protein synthesis and long-term adaptive responses in the CNS	$1,992,862	Q2.Other	National Institutes of Health
Study of anti-neuronal autoantibodies in behavioral and movement disorders	$48,000	Q2.S.A	University of Oklahoma Health Sciences Center
Study of fragile X mental retardation protein in synaptic function and plasticity	$392,087	Q2.S.D	University of Texas Southwestern Medical Center
Study of health outcomes in children with autism and their families	$4,197,414	Q2.Other	The Lewin Group
Synaptic analysis of neuroligin1 function	$52,154	Q2.Other	Stanford University
Synaptic phenotype, development, and plasticity in the fragile X mouse	$421,590	Q2.S.D	University of Illinois at Urbana Champaign
Synaptic processing in the basal ganglia	$382,323	Q2.Other	University of Washington
Synchronous activity in networks of electrically coupled cortical interneurons	$24,981	Q2.Other	University of California, Davis
Systematic characterization of the immune response to gluten and casein in autism spectrum disorders	$0	Q2.S.A	Weill Cornell Medical College
Taste, smell, and feeding behavior in autism: A quantitative traits study	$576,270	Q2.Other	University of Rochester
Testing neurological models of autism	$315,526	Q2.Other	California Institute of Technology
Testing the effects of cortical disconnection in non-human primates	$75,000	Q2.Other	The Salk Institute for Biological Studies
Th cell polarization and candida reactivity in autistic children with food allergy	$25,000	Q2.S.E	University of Medicine & Dentistry of New Jersey
The brain genomics superstruct project	$150,000	Q2.S.G	President & Fellows of Harvard College

Project Title	Funding	Strategic Plan Objective	Institution
The cognitive neuroscience of autism spectrum disorders	$1,121,429	Q2.Other	National Institutes of Health
The development of face processing	$512,804	Q2.Other	Children's Hospital Boston
The development of object representation in infancy	$258,335	Q2.Other	University of California, Davis
The effect of mercury and neuropeptide triggers on human mast cell release of neurotoxic molecules	$5,000	Q2.S.A	Tufts University
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$112,327	Q2.S.E	Beth Israel Deaconess Medical Center
The effects of Npas4 and Sema4D on inhibitory synapse formation	$0	Q2.Other	Children's Hospital Boston
The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	$0	Q2.S.D	Children's Memorial Hospital, Chicago
The genetic basis of mid-hindbrain malformations	$773,002	Q2.S.G	Seattle Children's Hospital
The genetic link between autism and structural cerebellar malformations	$0	Q2.S.G	University of Chicago
The integration of interneurons into cortical microcircuits	$150,000	Q2.Other	New York University School of Medicine
The mechanism and significance of Evf ncRNA regulation of the DLX genes	$2,425	Q2.S.D	University of Washington
The mechanism and significance of Evf ncRNA regulation of the DLX genes	$438,060	Q2.Other	Children's Memorial Hospital, Chicago
The MET signaling system, autism and gastrointestinal dysfunction	$277,299	Q2.S.E	University of Southern California
The microRNA pathway in translational regulation of neuronal development	$376,031	Q2.S.D	University of Massachusetts Medical School
The microRNA pathway in translational regulation of neuronal development	$37,604	Q2.S.D	J. David Gladstone Institutes
The microstructural basis of abnormal connectivity in autism	$336,355	Q2.Other	University of Utah
The neural basis of early action perception	$95,040	Q2.Other	University of Washington
The neural basis of sexually dimorphic brain function	$343,502	Q2.S.B	University of Massachusetts Amherst
The neural basis of social cognition	$305,233	Q2.Other	Indiana University
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	$57,246	Q2.Other	University of Missouri
The neural substrates of repetitive behaviors in autism	$42,111	Q2.Other	Boston University Medical Campus
The neural substrates of social interactions	$27,327	Q2.Other	University of Iowa
The pathogenesis of autism: Maternal antibody exposure in the fetal brain	$90,173	Q2.S.A	The Feinstein Institute for Medical Research

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The role of CNTNAP2 in embryonic neural stem cell regulation	$150,000	Q2.Other	Johns Hopkins University School of Medicine
The role of FOX-1 in neurodevelopment and autistic spectrum disorder	$142,677	Q2.Other	University of California, Los Angeles
The role of intracellular metabotropic glutamate receptor 5 at the synapse	$25,890	Q2.S.D	Washington University in St. Louis
The role of MeCP2 in Rett syndrome	$337,753	Q2.S.D	University of California, Davis
The role of the autism-associated gene tuberous sclerosis complex 2 (TSC2) in presynaptic development	$56,000	Q2.S.D	University of California, San Diego
Time perception and timed performance in autism	$89,846	Q2.Other	Kennedy Krieger Institute
Towards an endophenotype for amygdala dysfunction	$384,145	Q2.Other	California Institute of Technology
Translation regulation in hippocampal LTP and LTD	$372,141	Q2.S.D	New York University
Treatment of medical conditions among individuals with autism spectrum disorders	$578,006	Q2.S.E	National Institutes of Health
TrkB agonist(s), a potential therapy for autism spectrum disorders	$269,500	Q2.S.D	University of California, Los Angeles
Ube3a requirements for structural plasticity of synapses	$40,000	Q2.Other	Univ of North Carolina
Understanding perception and action in autism	$0	Q2.Other	Kennedy Krieger Institute
Understanding the cognitive impact of early life epilepsy	$845,000	Q2.S.E	Children's Hospital Boston
Using functional physiology to uncover the fundamental principles of visual cortex	$310,700	Q2.Other	Carnegie Mellon University
Using genetically modified mice to explore the neuronal network involved in social recognition	$60,000	Q2.Other	Haifa University
Vaccination with regression study	$16,258	Q2.S.F	Kaiser Permanente Georgia
Visual perspective-taking and the acquisition of American Sign Language by deaf children with autism	$0	Q2.Other	University of Texas at Austin
Visual system connectivity in a high-risk model of autism	$0	Q2.S.D	Children's Hospital Boston
Visuospatial processing in adults and children with autism	$0	Q2.Other	Carnegie Mellon University
White matter structural deficits in high functioning children with autism	$848	Q2.Other	Feinstein Institute For Medical Research
Young development of a novel PET ligand for detecting oxytocin receptors in brain	$264,000	Q2.Other	Emory University